## IN THE CLAIMS:

1. (Original) A system for enhancing data throughput on a bus in a SCSI topology, comprising:

an initiating unit, said initiating unit operable to initiate transactions on the bus; at least one target unit, said at least one target unit operable to execute commands received from said initiating unit; and

a nexus pipeline unit, said nexus pipeline unit coupled to at least one unit of said initiating unit and said at least one target unit, said nexus pipeline unit operable to:

receive a plurality of nexuses, each nexus of said plurality of nexuses related to a transaction initiated on the bus; and

form an association for said plurality of nexuses received.

- 2. (Original) The system of Claim 1, wherein said initiating unit is an initiator.
- 3. (Original) The system of Claim 1, wherein said at least one target unit comprises a target drive.
- 4. (Original) The system of Claim 1, wherein said initiating unit is a SCSI adapter.
- 5. (Original) The system of Claim 1, wherein said initiating unit is a controller.
- 6. (Original) The system of Claim 1, wherein said association for said plurality of nexuses comprises a plurality of nexus attributes associated as a related grouping of attributes.
- 7. (Original) The system of Claim 1, wherein said nexus pipeline unit comprises a plurality of load stages, wherein at least one load stage of said plurality of load stages is operable to load at least a first nexus attribute or shift at least one nexus attribute to a second load stage of said plurality of load stages.

- 8. (Original) The system of Claim 1, wherein said nexus pipeline unit comprises a plurality of latching units and a plurality of multiplexing units.
- 9. (Original) The system of Claim 1, wherein said nexus pipeline unit comprises a plurality of load stages, wherein at least one load stage of said plurality of load stages includes at least one flip-flop device and at least one multiplexer device coupled together.

10-12. (Withdrawn)

13. (Original) A method for enhancing data throughput on a bus in a SCSI topology, the method comprising the steps of:

an initiator unit initiating transactions on the bus;

a target unit executing commands associated with said initiating step;

coupling said initiating unit to said target unit with a nexus pipeline unit, said nexus pipeline unit performing the steps of:

receiving a plurality of nexuses, each nexus of said plurality of nexuses related to a transaction initiated on the bus; and

forming an association for said plurality of nexuses received.

- 14. (Original) The method of Claim 13, wherein said initiating unit is an initiator.
- 15. (Original) The method of Claim 13, wherein said target unit comprises a target drive.
- 16. (Original) The method of Claim 13, wherein said initiating unit is a SCSI adapter.
- 17. (Original) The method of Claim 13, wherein said initiating unit is a controller.
- 18. (Original) The method of Claim 13, wherein said association for said plurality of nexuses comprises a plurality of nexus attributes associated as a related grouping of attributes.

Page 3 of 10 Bradfield et al. - 10/715,063 19. (Original) The method of Claim 13, wherein said nexus pipeline unit comprises a plurality of load stages, at least one load stage of said plurality of load stages performing the steps of:

loading at least a first nexus attribute; and shifting at least one nexus attribute to a second load stage of said plurality of load stages.

- 20. (Original) The method of Claim 13, wherein said nexus pipeline unit comprises a plurality of latching units and a plurality of multiplexing units.
- 21. (Original) The method of Claim 13, wherein said nexus pipeline unit comprises a plurality of load stages, wherein at least one load stage of said plurality of load stages includes at least one flip-flop device and at least one multiplexer device.
- 22. (Original) A computer program product for enhancing data throughput on a bus in a SCSI topology, comprising:

first instructions for initiating transactions on the bus;

second instructions for executing commands associated with said first instructions:

third instructions for receiving a plurality of nexuses;

fourth instructions for relating each nexus of said plurality of nexuses to a transaction initiated on the bus; and

fifth instructions for forming an association for said plurality of nexuses received.

- 23. (Original) The computer program product of Claim 22, wherein said initiating unit is an initiator.
- 24. (Original) The computer program product of Claim 22, wherein said target unit comprises a target drive.

- (Original) The computer program product of Claim 22, wherein said initiating 25. unit is a SCSI adapter.
- (Original) The computer program product of Claim 22, wherein said initiating 26. unit is a controller.